**CLAIMS** 

1. (Currently Amended) A system for ranking items in a selectable

information list received from an information delivery system, comprising:

a database system that logs selections of information viewed by local

users of the information delivery system and tags each of the logged selections of

information with a corresponding time subinterval from a plurality of time subintervals

that relates to a respective viewing of the selected information:

a filtering component that forms a temporally filtered reviewed items list

that includes a subset of the logged selections of information viewed by the local users,

the subset chosen to incorporate the logged selections tagged with a particular one of

the plurality of time subintervals that includes a target time period for providing a

recommendation, the temporally filtered reviewed items list provides implicit evidence of

content preferences associated with a likely subset of the local users that employs the information delivery system during the particular one of the plurality of time subintervals;

a collaborative filtering system that infers the content preferences

associated with the likely subset of the local users by utilizing the subset of the logged

selections included in the temporally filtered reviewed items list as an input, and

generates the recommendation specific to the inferred, likely subset of the local users

based at least in part on the inferred content preferences and information obtained from

a plurality of global users related to the particular one of the plurality of time

subintervals, wherein the filtering component comprises a popularity filter that selects a recommendation based, at least in part, by multiplying a collaborative filter score of a

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 $\underline{\text{recommendation by the probability that the user does not know of the recommendation}};$ 

and

a user interface that displays the recommendation.

2. (Previously presented) The system of claim 1, a selection is logged if the

selection is viewed for a dwell time that exceeds a predetermined threshold.

3. (Previously presented) The system of claim 2, the collaborative filtering

system assigns a positive vote to logged selections that are viewed for a dwell time that

exceeds a predetermined threshold.

4. (Previously presented) The system of claim 1, a selection is logged if the

selection is briefly viewed and jumped away to another selection.

5. (Previously presented) The system of claim 4, the collaborative filtering

system assigns a negative vote to logged selections that are viewed briefly and jumped

away to another selection.

6. (Previously presented) The system of claim 1, the viewed information is

time stamped by event type and the collaborative filtering system is based on a single

collaborative filtering model that is trained according to time subintervals that the

information has been viewed.

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7. (Previously presented) The system of claim 1, the collaborative filtering system is based on a plurality of separate collaborative filtering models, each collaborative filtering model is trained with the information from a particular time subinterval of temporal history that has been viewed.

(Canceled).

 (Previously presented) The system of claim 1, the collaborative filtering system provides in real-time a selectable recommendation list ordered by estimated degree of preference that a user has for each item.

10. (Previously presented) The system of claim 9, the collaborative filtering system receives attributes of at least one user of the system and utilizes these attributes in providing the selectable recommendation list.

11. (Previously presented) The system of claim 10, the collaborative filtering system receives attributes of other systems and utilizes these attributes in providing a globally ranked recommendation list to a cluster of systems based on the temporal viewing history of the systems of the cluster.

12. (Previously Presented) The system of claim 9, the collaborative filtering system receives the temporally filtered reviewed items list that has been further filtered by the filtering component and generates a new recommendation according to the

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preferences provided by the further filtered reviewed items list.

13 (Currently Amended) The system of claim 12, the filtering component

comprising at least one of a live show selection filter, a popularity filter, a pattern search

engine or an adding items of interest and update component.

(Previously Presented) The system of claim 1, further comprising a user

interface that allows a user to selectively filter the temporally filtered reviewed items list

used as the input for the collaborative filtering system.

(Previously Presented) The system of claim 14, the user interface allows a

user to request a time period for reviewing information from a selectable

recommendation list wherein the collaborative filtering system supplies the selections

for the time period requested based on the tags associated with the selections within a

similar time interval covering the time period.

(Previously Presented) The system of claim 14, the user interface receives

the temporally filtered reviewed items list, allows a user to modify the temporally filtered

reviewed items list, and inputs the modified reviewed items list as updated preferences

into the collaborative filtering system, such that a new recommendation list can be

generated based on the updated preferences.

17 (Original) The system of claim 1, the information being multimedia.

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18. (Withdrawn) A multimedia system that provides a recommendation to a

set top box for utilization by an electronic program guide, comprising:

a database system that logs selections of programs viewed by users of a

set top box and users of disparate set top boxes, and logs temporal history that includes

a plurality of time subintervals that correspond to the viewing of the selected programs;

and

a collaborative filtering system that employs the logged temporal history

from the database system to infer content preferences associated with a likely subset of

the users that employs the set top box during a particular one of the plurality of time

subintervals, which includes a target time period for providing a recommendation,

produce a user specific recommendation pertaining to the inferred, likely subset of the

users of the set top box based at least in part on the inferred content preferences and

information associated with the users of the disparate set top boxes related to a

particular one of the plurality of time subintervals, and transmit the user specific

recommendation to the set top box for display:

the collaborative filtering system infers content preferences and produces

the user specific recommendation by employing a global inference system that groups

set top boxes into clusters and generates a set of recommendations for members of at

least one cluster based on the temporal viewing habits of members of the cluster and a

cluster specific inference system that determines user preferences based on

correlations between users of a given cluster.

19-31. (Canceled).

32 (Withdrawn) The system of claim 18, the multimedia system residing on a

remote server coupled to the set top box and the disparate set top boxes wherein

recommendations are generated by the server and transmitted to the set top box and

the disparate set top boxes.

33 (Withdrawn) The system of claim 32, the set top box having an electronic

program guide system that receives and displays the recommendations to a user.

34-52. (Canceled).

53 (Currently Amended) A system for ranking items in a selectable

information list received from an information delivery system, comprising:

means for logging selections of information viewed by local users of the

information delivery system and temporal history related to time segments within a day

that correspond to the viewing of the selected information, the selections of information

logged for a plurality of days:

means for training a plurality of separate collaborative filtering models,

each with information from a corresponding, respective time segment within a day that

has been viewed by the local users and disparate logged temporal history that has been

viewed by a plurality of global users;

means for inferring content preferences associated with a likely subset of

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the local users that employs the information delivery system during a particular time segment within a day utilizing a respective one of the collaborative filtering models

corresponding to a target time period to provide a recommendation:

means for generating the recommendation specific to the inferred, likely

subset of the local users based at least in part on the inferred content preferences and

information obtained from a plurality of global users related to the particular time

segment within a day, wherein generating the recommendation further comprises a

popularity filter that selects a recommendation based, at least in part, by multiplying a

collaborative filter score of a recommendation by the probability that the user does not

know of the recommendation;

means for automatically broadening to include at least one additional time

segment within a day when the recommendation yielded from the particular time

segment within a day covering the target time period is inadequate; and

means for displaying the recommendation.

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